

Technical Data Sheet

Hostacom G3 U01 L

Polypropylene Compounds

Product Description

Hostacom G3 U01 L is a glass fiber reinforced PP homopolymer with medium melt flow rate. This grade is delivered in NAT colored version.

Product is UL certified in all color

Processing Method Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	14	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/2.16 kg)	15	cm ³ /10 min	ISO 1133-1
Density, (23 °C)	1.14	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	6500	MPa	ISO 178/A1
Tensile Modulus, (23 °C)	6300	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	92	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	3	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C)	10	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	45	kJ/m ²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B50)	130	°C	ISO 306
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	158	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	145	°C	ISO 75A-1, -2
Flammable			
Flame Rating - UL			
(1.5 mm)	HB		UL 94
(3.0 mm)	HB		UL 94